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PATENT COOPERATION TREAT





INTERNATIONAL PRELIMINARY EXAMINATION REPORT

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International application PCT/JP2002/		tional filing date (day/n	• •	Priority date (day/month/year)
	sification (IPC) or national c	6 June 2002 (26.06)	.2002)	
	2/06, C09J 109/06, 125/10			
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_	ains indications relating to th	e following items:		
· 🖂	Basis of the report			
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	Lack of unity of invention	n with regard to hovers	y, mychuyc sa	p and industrial application by
	-	rticle 35(2) with regard	to novelty, in	ventive step or industrial applicability;
	citations and explanations su Certain documents cited	pporting such statemen	it	
V1 L		tional application		
VII Certain defects in the international application VIII Certain observations on the international application				
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Date of submission of th		Date of completion of this report		
24 Decei	mber 2003 (24.12.2003))	13	July 2004 (13.07.2004)
Name and mailing addre	Author	Authorized officer		
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Form PCT/IPEA/409 (cover sheet) (July 1998)



INTERNATIONAL PRELIMINARY EXAMINATION REPORT

I. Basis of th	I. Basis of the report						
1. With rega	d to the elements of the international application:*						
∑ the	international application as originally filed						
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l	en furnished. ne amendments have resulted in the cancellation of: the description, pages the claims, Nos						
* Replaces	the drawings, sheets/fig						
and 70.1							

v.	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;
	citations and explanations supporting such statement

1.	Statement			
	Novelty (N)	Claims	7	YES
		Claims	1-6	NO NO
	Inventive step (IS)	Claims		YES
		Claims	1-7	NO
	Industrial applicability (IA)	Claims	1-7	YES
		Claims		NO

2. Citations and explanations

Document 1: JP 5-194629 A (Tonex Co., Ltd.), 03 August

1993, claims, paragraphs [0016] to [0019]

Document 2: JP 11-335645 A (Arakawa Chemical Ind.,

Ltd.), 07 December 1999, claims

Claim 1

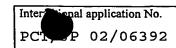
The invention set forth in claim 1 lacks novelty and does not involve an inventive step.

The "hydrogenated copolymer" and the feature wherein the "softening point as measured by means of a ring and ball method is between 85-95°C," which are set forth in claim 1, are disclosed in document 1 cited in the international search report (refer to document 1, claims).

Claims 2, 4 and 6

The inventions set forth in claims 2, 4 and 6 lack novelty and do not involve an inventive step.

The inventions that are set forth in claims 2, 4 and 6 are the inventions that are set forth in claim 1, 3 or 5, delimited by a feature wherein the "copolymer is obtained from a vinylaromatic compound and a cyclopentadiene and/or a dicyclopentadiene." However, the feature of hydrogenating a copolymer that contains these monomers is disclosed in document 1 cited in the



international search report (refer to document 1, claims).

Claim 3

The invention set forth in claim 3 lacks novelty and does not involve an inventive step.

The invention that is set forth in claim 3 delimits the invention that is set forth in claim 1 by means of the feature of hydrogenating a "copolymer with a softening point in the range of 45-55°C." However, there is no difference between resins that are hydrogenated as indicated above and the resins that are disclosed in document 1 cited in the international search report; therefore, there is not considered to be a difference between the softening points thereof.

Claim 5

The invention set forth in claim 5 lacks novelty and does not involve an inventive step.

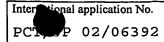
The invention that is set forth in claim 5 is a hotmelt adhesive composition which contains the hydrogenated copolymer that is set forth in claim 1. However, document 1 cited in the international search report discloses the feature of using such a composition as an agent for imparting adhesive properties to a hot-melt (refer to document 1, claims).

Claim 7

The invention set forth in claim 7 does not involve an inventive step.

The invention that is set forth in claim 7 is the invention that is set forth in claim 5, delimited by the feature of "including a base polymer and a plasticizer." However, document 1 cited in the international search report discloses the feature of including a base polymer (refer to document 1, paragraph [0022]) and document 2





cited in the international search report discloses the feature of adding a plasticizer to a hot-melt adhesive; therefore, it would be easy for a person skilled in the art to add the plasticizer that is disclosed in document 2 to the hot-melt adhesive composition that is disclosed in document 1.

VIII. Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

There are no disclosures pertaining to the copolymeric structures of the hydrogenated copolymers that are set forth in claim 1 and claim 3; therefore, the nature of these copolymers is unclear.